

In the Claims

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Please cancel Claims 1-5 and 22.

Please amend Claims 6-14, 16, 18, 20. Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (pages i - iii).

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B1 6. (Amended) A magnetic field sensor as described in Claim 8, wherein the detectable voltage signal is indicative of the rotation of a rotor.

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7. (Twice Amended) A sensor as described in Claim 6, wherein the rotation of the rotor is indicative of a fluid flow, where the magnetic rotor is located in the flow path of, and is turned by, the flow of the fluid.

8. (Amended) A magnetic field sensor comprising a multilayer material, the multilayer material comprising a layer of a magnetostrictive material in contact with a layer of a piezoelectric material, and the multilayer material configured such that, when the magnetostrictive material is subjected to an alternating magnetic field, a change in at least one dimension of the magnetostrictive material induces a strain in, and produces a detectable voltage signal in, the piezoelectric material, and wherein during operation the magnetic field sensor does not consume any external electrical power.

9. (Amended) The magnetic field sensor as described in Claim 8, wherein the multilayer material comprises a second layer of magnetostrictive material positioned so that the layer of piezoelectric material lies between the two layers of magnetostrictive material.

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20. (Amended) A magnetic field sensor as described in Claim 8, wherein the multilayer material comprises a read head for reading stored information on a recording medium.